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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Krieg  
Divisional of Serial No: 08/960,774  
Filed: October 30, 1997  
For: METHODS OF TREATING CANCER USING  
IMMUNOSTIMULATORY OLIGONUCLEOTIDES

Box: Patent Application  
Assistant Commissioner for Patents  
Washington, D.C. 20231

**PRELIMINARY AMENDMENT**

Sir:

Please amend the Application as follows:

Please cancel claims 2-41.

Please add the following new claims:

*SUB B*  
~~42. A method for increasing the responsiveness of a cancer cell to a cancer therapy, comprising: administering to a subject having a cancer an effective amount for increasing the responsiveness of a cancer cell to a cancer therapy of an immunostimulatory nucleic acid, having a sequence including at least the following formula:~~

$5' X_1 X_2 C G X_3 X_4 3'$

wherein C and G are unmethylated, wherein  $X_1 X_2$  and  $X_3 X_4$  are nucleotides, and wherein the sequence is not palindromic.

*2*  
~~43. The method of claim 42, further comprising administering a chemotherapeutic agent.~~

*3*  
~~44. The method of claim 42, further comprising administering a cancer immunotherapeutic agent.~~

*4*  
~~45. The method of claim 42, wherein the cancer is brain cancer.~~